## The Fire Continuum

## Raw Materials — Products Systems <sup>1</sup> **Structures**

- Plastics
- Liquids
- Films
- Fibers
- Foams
- Natural Products

- Cable
- Consumer
- Appliances
- Electronics
- Furniture
- Equipment

- NEBS
- Offices
- HVAC
- Electrical
- Security
- •Suppression

- High rise buildings • Retail offices
- Manufacturing
- Residential (homes)
- Warehouses
- Municipal buildings





Physical properties and

Characterization











**Product/Systems Performance** 

**Reaction to fire:** 

**Flammability** 

Smoke generation

**Ignition** 

**Building Codes and Standards:** 

Fire Resistance

Fire Suppression and

**Detection**